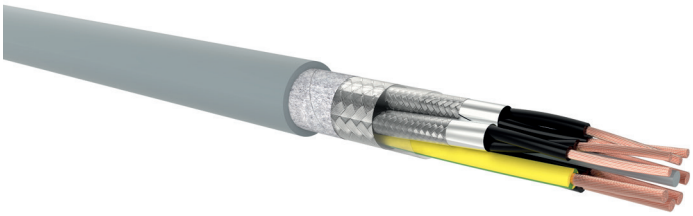
INDUSTRIAL CABLES SLOVAKIA

FLEXICS® SERVO C UL/c(UL)

UL recognized PVC/PVC servo-motor supply cable, screened

DESIGN



1 I Bare copper conductors, fine wires class 5 according to DIN EN 60228 / VDE 0295 / IEC 60228
2 I Core insulation of special compound based on polyvinyl chloride (PVC)
3 I Control pairs individually screened with plastic laminated aluminium tape and tinned copper wires
4 I Cores are stranded together with optimal lay-length
5 I Plastic tape
6 I Tinned copper wire braiding
7 I Non-woven tape separation over braiding (optional)
8 I Outer sheath of special compound based on polyvinyl chloride (PVC), colour: grey (RAL 7001)

APPLICATION

PVC/PVC connection cable especially for frequency converters and servo motors. FLEXICS® SERVO C UL/c(UL) cable are designed for fixed or flexible indoor installations without guidance and/or tensile stress, especially when excellent EMC behaviour is required.

TECHNICAL DATA

Rated voltage:
0.6/1 kV (Uo/U)
1000 V (UL/CSA)

Test voltage:
core / core 4000 V / 50 Hz

Temperature range:
fixed installation: -30 °C up to 80 °C
flexible use: -5 °C up to 70 °C

Bending radius (min.):
fixed installation: 7.5 x Ø of cable
flexible use: 20 x Ø of cable

Core identification:
supply cores: black (continuously numbered) with green/yellow ground conductor
control pairs 0.34 mm²: colour coded
control pairs from 0.75 mm²: black with white numbers

Fire properties:
EN 60332-1-2: self-extinguishing and flame retardant
UL: vertical flame test VW-1, cable flame test
CSA: FT1

Certificate:
UL AWM Style 20886
CSA C22.2 No. 210-11, AWM

Number of cores x nominal cross-section (mm²)	Outer diameter (mm) appr.	Cu-value (kg/km)	Total weight (kg/km) appr.
FLEXICS® SERVO C UL/c(UL)			
4 G 0.75 + 2 x (2 x 0.34)	12.4	111	225
4 G 1.5 + 2 x (2 x 0.75)	14.8	148	343
4 G 2.5 + (2 x 2 x 0.75)	16.1	226	407
4 G 4 + (2 x 0.75 + 2 x 1)	17.6	304	498
4 G 6 + (2 x 0.75 + 2 x 1)	19.2	379	627
4 G 10 + (2 x 0.75 + 2 x 1)	23.0	592	909
4 G 16 + (2 x 2 x 1)	25.1	861	1190
4 G 25 + (2 x 2 x 1.5)	28.7	1262	1854
4 G 35 + (2 x 2 x 1.5)	30.6	1652	2023
4 G 50 + (2 x 2 x 2.5)	37.0	2264	2876

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